

IN THE SPECIFICATION

Please amend the Title on page 1 as follows:

ELECTRODE COMPOSITION[[,]] AND  
~~LITHIUM~~ LITHIUM SECONDARY BATTERY CELL

Please replace the paragraph beginning at page 1, line 27, with the following rewritten paragraph:

Improvements in high-temperature storage properties have already been achieved for some battery systems, for instance, lithium ion secondary batteries by making an appropriate selection from salts used therewith, especially  $\text{LiPF}_6$ ,  $\text{LiBF}_4$  or imides such as  $\text{LiClO}_4$ . One possible factor for the improvements could be the thermal stability of such salts. More recently, novel lithium salt compounds such as those set forth in ~~JP-T 2000-60834~~ JP-T 2000-508340, too, have been proposed and practically used.

Please replace the paragraph beginning at page 3, line 6, with the following rewritten paragraph:

A problem with the aluminum laminated film is that as gases are produced from within a battery after the battery has been assembled, the battery swells. This problem may be surmountable by using  $\gamma$ -butyrolactone for its electrolyte solution as set forth typically in ~~JP-A 2000-236868~~ JP-A 2000-235868.

Please replace the paragraph beginning at page 16, line 30, with the following rewritten paragraph:

Ti, Nb, Sn and Mg are preferable for the ~~substituent~~ subordinate component element M, although Ti and Nb are most preferred. These elements may be used alone or a part of Co

may be substituted by two or more thereof. When two or more elements are used, they may be used in any desired combinations with the proviso that Co is substituted within the aforesaid total amount of substitution.

Please replace Table 2 at page 30 as follows:

Table 2

Sample	Substituent Subordinate Component Element/at(%)	Solvent /volume	1C Capacity (mAh)	Specific Capacity -20°(%)	Swelling During Storage at 90°		
					0	after 30 min.	after 4 hr.
Example 1	Nb/0.1	EC:γBL/2:8	570	20	4.23	4.30	4.31
Example 2	Ti/0.1	EC:γBL/2:8	567	18	4.25	4.29	4.30
Example 3	Sn/0.1	EC:γBL/2:8	566	15	4.23	4.30	4.32
Example 4	Mg/0.1	EC:γBL/2:8	564	13	4.22	4.30	4.33
Example 5	Nb/0.001	EC:γBL/2:8	571	12	4.20	4.23	4.23
Example 6	Nb/0.01	EC:γBL/2:8	571	16	4.20	4.22	4.25
Example 7	Nb/1	EC:γBL/2:8	566	16	4.21	4.22	4.26
Example 8	Nb/2	EC:γBL/2:8	562	14	4.23	4.29	4.29
Example 9	Nb/0.1	EC:γBL/4:6	561	15	4.24	4.27	4.28
Example 10	Nb/0.1	EC:γBL/5:95	565	13	4.23	4.28	4.30
Comp. Ex. 1	Nb/0.0001*	EC:γBL/2:8	572	8 <sup>+</sup>	4.21	4.25	4.26
Comp. Ex. 2	Nb/10*	EC:γBL/2:8	498 <sup>x</sup>	18	4.23	4.31	4.34
Comp. Ex. 3	Nb/0.1	EC:γBL/5:5*	526 <sup>x</sup>	17	4.25	4.29	4.30
Comp. Ex. 4	Nb/0.1	γBL/100*	512 <sup>x</sup>	19	4.22	4.28	4.28
Comp. Ex. 5	Nb/0.1	EC:DEC/2:8*	572	13	4.23	4.32	4.55 <sup>++</sup>
Comp. Ex. 6	Nb/0.1	EC:MEC/2:8*	574	27	4.22	4.40	5.16 <sup>++</sup>
Comp. Ex. 7	Ti/0.1	EC:MEC/2:8*	572	25	4.20	4.38	4.94 <sup>++</sup>
Comp. Ex. 8	Sn/0.1	EC:MEC/2:8*	571	20	4.24	4.37	4.88 <sup>++</sup>
Comp. Ex. 9	Mg/0.1	EC:MEC/2:8*	571	21	4.23	4.39	4.98 <sup>++</sup>
Comp. Ex. 10	—*	EC:γBL/2:8	566	7 <sup>+</sup>	4.23	4.27	4.28

\*) deviations from the inventive range

†) deviations from the allowable range for -20° specific capacity

++) deviations from the allowable range for swelling during storage

x) deviations from the allowable range for 1C capacity

Please replace the paragraph beginning at page 31, line 1, with the following rewritten paragraph:

From the results of Examples B-1 to B-4 and Comparative Examples B-5 to B-9 shown in Table 2, it is found that even with the cathode active substance to which such additive subordinate component elements as usually give rise to outgassing are added, it is possible to prevent any outgassing by the use of  $\gamma$ -butyrolactone, and batteries of even smaller size can be fabricated by use of a thin housing. It is here noted that the permissible range of thickness changes is within 0.2 mm.

Please replace the paragraph beginning at page 31, line 10, with the following rewritten paragraph:

From Examples B-1 to B-10 and Comparative Examples B-1 to B-10, it is found that the low-temperature properties can be improved by the additive subordinate component elements. It is here noted that the acceptable specific capacity at  $-20^{\circ}\text{C}$  is at least 10%.

Please replace the paragraph beginning at page 31, line 15, with the following rewritten paragraph:

From Examples B-1, B-5, B-6 and B-7 and Comparative Examples B-1, B-2 and B-10, it is appreciated that the addition of the additive subordinate component element in an amount exceeding 2 at% causes capacity decreases and so is unsuitable for high-capacity batteries. In the inventive examples, the allowable 1C capacity is at least 550 mAh. On the other hand, the addition of the additive subordinate component element in an amount of below 0.001 at% brings about specific capacity decreases at low temperature, offering a problem on low-temperature operation.